AKG ACOUSTICS

Designed for radio…

…and so much more.

up to
155 dB
SPL
TROMBONE • ELECTRIC GUITAR • SAXOPHONE • FRENCH HORN • BASS DRUM • TOM TOM • SNARE DRUM • ELECTRIC GUITAR • TRUMPET
AKG

The C 4500 B-BC.

For accurate reproduction of high-SPL instruments.

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C 4500 B-BC - For a large

- Large-diaphragm condenser microphone for a host of applications, specifically, high-SPL instruments
- Low proximity effect for consistent sound
- Effective rejection of stand-transmitted and wind noise
- On-axis sound entry for easy positioning
- Cardioid polar pattern
- Insensitive to electrostatic or hum interference from neighboring equipment
- Designed for universal phantom power
- Complete with professional spider-type suspension and external wind and pop screen

MAIN APPLICATION AREAS:

- Recording studio (instruments and vocals) and post production
- Live instrument miking
- Voiceover
- Film sound
- Broadcast announcer studio and production

The **C 4500 B-BC** features an axially-mounted cardioid transducer element sitting at a carefully selected distance behind the sound entry, a switchable preattenuation pad, and integrated pop screen. Therefore, you can use the C 4500 B-BC as an ideal replacement for a dynamic microphone in the same position, but with all the acoustic benefits of a top quality condenser microphone.

Although the C 4500 B-BC was originally designed for on-air use by radio announcers, it turned out that more and more musicians and producers use it frequently and with good results for miking up instruments in the studio or on stage. In-house tests at AKG confirmed reports from producers that the C 4500 B-BC, although designed and successfully marketed for an entirely different application, is an excellent recording and performance microphone.

Trumpet

Saxophone

French Horn

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selection of applications.

With its smooth frequency response, high SPL capability, and a switchable preattenuation pad for another 20 dB of headroom, the C 4500 B-BC is a good choice for miking instruments known to produce extremely high sound pressure levels, in the studio or on stage. A patented double-layer pop screen is mounted invisibly inside the body in front of the transducer element to effectively reduce any wind noise that may be caused by the player's technique or the very design of the instrument.

The transducer element is in line with the main axis of the microphone, making it easier to position the C 4500 B-BC than conventional large-diaphragm condenser microphones whose transducers usually face sideways. The relatively great distance between the sound entry and diaphragm reduces the proximity effect (an overemphasis of low frequencies at close range) inherent in any unidirectional microphone. An integrated, switchable highpass filter allows you to gently roll off low frequencies below 120 Hz, a very useful feature if you need to place the microphone extremely close to an instrument.

Its excellent performance and versatility as an instrument microphone should not hide the fact that the C 4500 B-BC has been designed as a high quality voice microphone. Therefore, it is also a very good choice for all vocal applications outside of radio work, including voiceovers, post production, film sound, and, of course, vocals.

In short, the C 4500 B-BC is a true all-round microphone that excels in terms of quality, versatility, and extremely high SPL capability.

Trombone

Spoken Voice

Bass Drum

Snare Drum

Tom Toms

Guitar Amp

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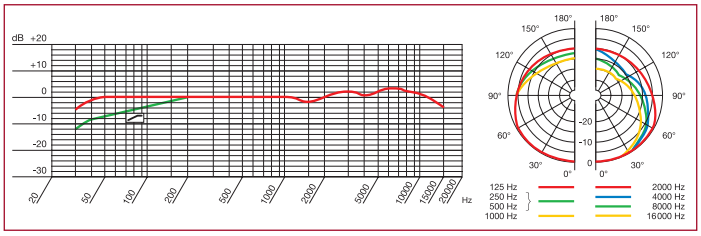
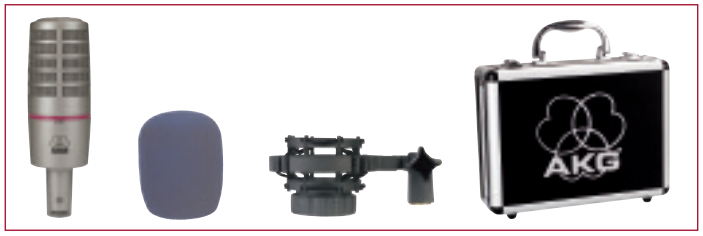
SPECIFICATIONS

Polar Pattern:	Cardioid
Frequency range:	30-20.000 Hz
Sensitivity:	20 mV/Pa (-34 dBV)
Max. SPL (k=0,5%):	145/155 dB SPL *)
Equivalent noise level (CCIR 468-3):	19 dB
Equivalent noise level:	8 dB-A
Preattenuation pad:	-20 dB, switchable
Bass filter:	6 dB/octave at 120 Hz
Impedance:	≤ 200 Ohm
Recommended load impedance:	≥ 1.000 Ohm
Supply voltage:	9 to 52 V phantom power to DIN 45596
Connector:	3-pin XLR
Dimensions:	58 dia. x 183 mm / 2.3 dia. x 7.2 in.
Net weight:	450 g / 1 lb.
Standard accessories:	Spider suspension H 85, windscreen W 4000, Sound Tool Case
Optional accessories:	B15, B 18, MK 9/10, PF 80, SA 61, ST 12, ST 102 A, ST 200, ST 305
Patents:	AT 395.225, DE 4.103.784, JP 2.815.488, AT 400.910, US 6.622.820

*) Values for 48 V phantom power; reduce by 6 dB for 24 V or 18 dB for 12 V phantom power.



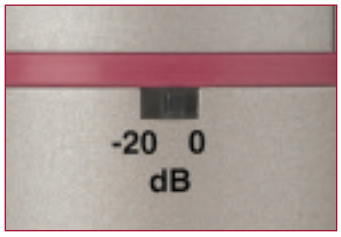
Frequency response and polar pattern



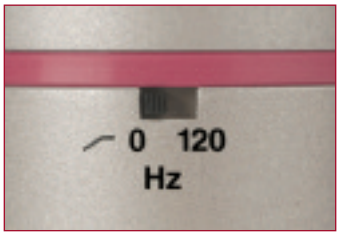
Standard package

Optional Studio pop filter PF 80

Optional Battery power supply B 18



20 dB Preattenuation



6 dB/octave bass filter

Microphones · Headphones · Wireless Microphones · Wireless Headphones · Headsets · Electroacoustical Components

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